1. Record Nr. UNINA9911019839903321 Autore Schepers Ute Titolo RNA interference in practice / / Ute Schepers Pubbl/distr/stampa Weinheim, : Wiley-VCH, 2005 **ISBN** 9786610519712 9781280519710 1280519711 9783527604395 3527604391 9783527604371 3527604375 Descrizione fisica 1 online resource (338 p.) Disciplina 572.8845 Soggetti RNA editing Genetic transcription Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto RNA Interference in Practice; Preface; Contents; 1 Introduction: RNA interference, the ""Breakthrough of the Year 2002""; 1.1 RNAi as a Tool for Functional Genomics; 1.2 Mechanism of RNAi; 1.3 Dicer - the

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## Sommario/riassunto

This hands-on guide to RNA interference brings the power of targeted gene silencing to any laboratory with the basic equipment for handling nucleic acids. In easy-to-follow, step-by-step protocols you will learn\* how RNAi works in worms, flies and mammals,\* how to design the most efficient RNAi constructs,\* how to achieve transient, stable and conditional RNAi in cell cultures,\* how to determine the efficiency of an RNAi experiment,\* and how to use RNAi for gene therapy. All the protocols have been thoroughly tested in the author's own laboratory, and she provides exa